



500.43057X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: H. MATSUSHIGE, et al

Serial No.: 10/649,687

Filed: August 28, 2003

For: STORAGE UNIT AND CIRCUIT FOR SHAPING  
COMMUNICATION SIGNAL

COPY

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 22, 2004

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (500.43057X00) please credit any excess fees to such deposit account.

Respectfully submitted,



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**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
Office

ATTY. DOCKET NO.

500.43057X00

SERIAL NO.

10/649,687

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

H. MATSUSHIGE, et al

FILING DATE

August 28, 2003

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 1 5 5 6 3 8	10/92	Aikawa et al			
	5 4 3 0 8 5 5	7/95	Walsh et al			
	6 5 3 0 0 0 7	3/03	Olarig et al			
2 0 0 2	0 0 0 4 8 9 2	1/02	Gans et al			
2 0 0 2	0 0 5 3 0 1 0	5/02	Piccirillo et al			
2 0 0 3	0 1 4 0 2 0 7	7/03	Nagase et al			

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**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])